

Product description

Quellmax Blackstop is a technically matured, swellable bentonite jointsealing tape with crystallisation additives (patented). Quellmax is used as a waterstop in concrete construction joints. Quellmax is tested and approved up to 7 bar water-pressure. Quellmax is also tested for the use in changing water tables.

Quellmax

The swellable bentonite waterstop tape consists of bentonite imbedded in a matrix of highly molecular polyisobutylene caoutchoc and special fillers and crystalline admixtures (patented composition). Supplied as a robust strip, Quellmax® is simply fastened onto an existing joint face before the next concrete pour. Any subsequent water leakage through the joint activates the Quellmax®, which takes up leak water and swells. This swelling action expands the product into the water flow paths (active self-injecting process) and effectively seals against water ingress through the cold joint.

Features

Compared with any other traditional joint sealants (PVC joint-sealing tape, joint-sealing sheets etc.), Quellmax -Blackstop is quite economical and reliable, because;

- sources of errors are reduced to minimum
- the best ratio of price and performance is assured

Application

Quellmax shall be placed only in in-situ concrete constructions because the swellable bentonite waterstop tape shall be completely covered with on all sites by concrete (min. 8cm concrete cover are required) to make sure that the swelling sealing pressure can be build up.

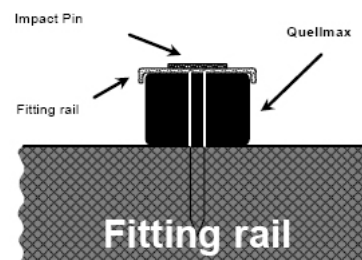
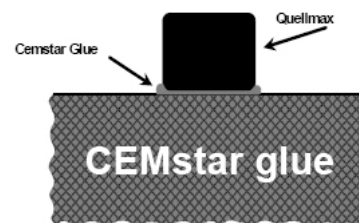
Advantages

- Quellmax seals in two phases:
 - First phase: sealing by immediate swelling
 - Second phase: sealing by crystallisation
- Great swelling capacity (> 300 %)
- Easy handling
- No time-consuming setting on edges
- Self injecting effect, that is to say penetration into any cracks and cavities.
- Swelling and shrinkage are infinitely reversible
- Dimensionally extremely stable, not sticky, not even at high temperatures in summer-time
- High mineral portion, hence no fatigue of materials: Sodium-bentonite reacts even some decades of years after having been incorporated

Technical Data

	QUELLMAX® -Blackstop-
Shape:	Swellable-tape profile rectangular and flexible
Colour:	black / dark gray
Dimensions:	18 x 24 mm 16 x 21 mm 10 x 20 mm
Coating:	talcum treated
Weight:	570 g/m or 730 g/m
Toxicity:	no dangerous material, no poison, drinking water not jeopardized

Fitting



Package for delivery / Storage

Roll of 5 m, box of 20 m, pallet of 720 m
Shelf life: 5 years, when stored protected steadily against frost and weather conditions

Quellmax® bentonite waterstop is an unique, patented technology made in Germany

Disclaimer:

The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However the client is obliged to determine himself what products are suitable for use. Accordingly, no liability will be accepted by IBC Ltd.